

DERWENT-ACC-NO: 2004-589989

DERWENT-WEEK: 200457

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TITLE: Rotary engine

INVENTOR: KIM, D H

PATENT-ASSIGNEE: KIM D H[KIMDI]

PRIORITY-DATA: 2002KR-0065620 (October 25, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 2004036520 A	April 30, 2004	N/A	001	F02B 053/00

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR2004036520A	N/A	2003KR-0027650	April 30, 2003

INT-CL (IPC): F02B053/00

RELATED-ACC-NO: 2004-295674

ABSTRACTED-PUB-NO: KR2004036520A

BASIC-ABSTRACT:

NOVELTY - A rotary engine is provided to prevent leakage of oil or pressure, to allow exhaust gas to be completely discharged, and to get higher power.

DETAILED DESCRIPTION - A rotating body (6) is installed in a cylindrical housing (2) having an intake chamber (32) and an exhaust chamber (34) formed on an inner wall thereof and a spark plug (36) installed on an inlet of the exhaust chamber to be rotated together with a rotary shaft (4). The rotating body has an actuating chamber (8) having a piston (12) guided by a guiding rod. The actuating chamber has an intake and exhaust port (14) having an opening and closing valve (16) and an opening and closing plate (18) installed thereto for opening and closing operation. The opening and closing plate opens and closes the intake and exhaust port to partition the exhaust chamber on explosion so that explosion is generated on a rear side of the exhaust chamber. An inside of the actuating chamber is connected with an air supply tube (24) through an air supply channel (22) opened and closed by the opening and closing valve. A guider (26) is protrusively formed on the housing, and placed on a center of the rotating body to guide the piston.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: ROTATING ENGINE

DERWENT-CLASS: Q52 X22

EPI-CODES: X22-A09;

